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bereavement to his colleagues with whom he maintained the friendliest relations.

J. P. IDDINGS

THE AMERICAN ASSOCIATION FOR
THE ADVANCEMENT OF SCIENCE
THE FOURTH ANNUAL MEETING OF THE
PACIFIC DIVISION

THE fourth annual meeting of the Pacific Division, of the American Association for the Advancement of Science will be held at Seattle in quarters provided by the University of Washington on June 17-19, 1920.

The 1919 meeting held at Pasadena was a pronounced success, exceeding in point of interest and attendance any previous meeting, and fully justifying the wisdom of the national council in providing for a geographic division of the American Association to accommodate the large and active membership residing west of the Rocky Mountains.

Notwithstanding the long distance between centers of population on the Pacific coast, or perhaps rather on account of them, the executive committee has pursued the plan of holding the annual meetings alternately in different and widely separated sections of the Pacific Coast area, believing that although the largest attendance is not to be realized in this way, it best subserves the purposes of the organization in stimulating an active interest in science throughout the district and in promoting that cooperation among scientific men which must be effective in meeting local problems.

The Exploration of the North Pacific Ocean was discussed at the Pasadena meeting in a symposium which outlined in a general way the urgent need of launching this project and the great practical benefits which must accrue. Some of the many scientific problems involved in the undertaking were also presented by prominent specialists who took part in the symposium. Credit should be given to Dr. William E. Ritter, of the Scripps Institution for Biological Research, who fathered this symposium

and whose vision of the great economic and scientific advantages to be gained by international cooperation in this enterprise now seems in process of realization. At least the attention of the National Research Council is directed to the matter and a committee has been appointed which will report on ways and means. This committee has already held one meeting and will meet again in Honolulu in August of this year. This great enterprise is felt to be of peculiar significance to the Pacific coast, and a second symposium on "The Animal and Plant Resources of the North Pacific Ocean" will be presented at the Seattle meeting. Naturally the fisheries, as constituting the most considerable present resource of the ocean, will receive major consideration in this symposium, and Seattle as the center of the fishery industry, seems the logical place in which to develop this phase of the subject. Quoting from the preliminary announcement of the Seattle meeting:

The thorough presentation of the fisheries problems as they confront the industry to-day should prove to be a direct contribution to a better understanding of what this great project means. International in its scope, involving the vital interests of all peoples bordering on the Pacific, it perhaps offers the only solution that will meet the needs of the teeming populations of the Orient, and thus remove by peaceful, scientific means the menace of future conflict. The resources of the Pacific—by what shall they be gauged? A comparatively unknown field awaits our conquest.

Following is the arrangement of the symposium which will be held on Thursday afternoon June 17:

THE ANIMAL AND PLANT RESOURCES OF THE NORTH
PACIFIC OCEAN

Marine biology in relation to the North Pacific fisheries: DR. C. MCLEAN FRASER, director, Biological Station, Nanaimo, British Columbia.

Relation of scientific investigations to the fisheries: MR. W. F. THOMPSON, fisheries investigator, California Fish and Game Commission.

Present condition and needs of the Alaska salmon fisheries: DR. HUGH M. SMITH, commissioner, Bureau of Fisheries, Washington, D. C.

Future of the Alaska fisheries: PROFESSOR JOHN N. COBB, director, College of Fisheries, University of Washington, Seattle, Wash.

The methods of the salmon fisheries and salmon culture in Alaska should be completely changed.

How can this be done? DR. BARTON WARREN EVERMANN, director, California Academy of Sciences, San Francisco.

Ocean pasturage and ocean fisheries: MR. W. E. ALLEN, Scripps Institution of California, La Jolla.

Thursday evening, June 17, will be devoted to the address of the retiring President Dr. John C. Merriam who will speak on "The research spirit in everyday affairs of the average man." President Henry Suzzallo, of the University of Washington, will welcome the delegates and response will be made by the chairman of the executive committee Dr. Barton Warren Evermann. Following the address of the evening a public reception will be held.

Friday afternoon, June 18, a public address will be given by Professor R. W. Brock, of the University of British Columbia, speaking on "The last crusade under Allenby." Professor Brock will speak of his personal experiences with General Allenby and will relate something of the contributions of science to the winning of the campaign in Palestine.

Following are the affiliated societies which will hold meetings at Seattle under the auspices of the Pacific Division:

AMERICAN PHYSICAL SOCIETY

J. S. Ames, *President*, Johns Hopkins University.

Dr. C. Miller, *Secretary*, Case Scientific School.

E. P. Lewis, *Local Secretary for the Pacific Coast*, University of California.

AMERICAN PHYTOPATHOLOGICAL SOCIETY, PACIFIC DIVISION

F. D. Heald, *President*, Agricultural Experiment Station, Pullman, Wash.

W. T. Horne, *Secretary-treasurer*, of the University of California.

ASTRONOMICAL SOCIETY OF THE PACIFIC

J. H. Moore, *President*, Lick Observatory.
D. S. Richardson, *Secretary-Treasurer*, 2541 Hilgard Avenue, Berkeley.

CALIFORNIA SECTION AMERICAN CHEMICAL SOCIETY

Robert E. Swain, *President*, Palo Alto.
Bryant S. Drake, *Secretary-Treasurer*, 5830 Colby Street, Oakland.

COOPER ORNITHOLOGICAL CLUB

Northern Division

Curtis Wright, Jr., *President*, Oakland.
Mrs. James T. Allen, *Secretary*, Berkeley.

Southern Division

Loye Holmes Miller, *President*, State Normal School, Los Angeles.

L. E. Wyman, *Secretary*, 3927 Wisconsin Street, Los Angeles.

CORDILLERAN SECTION, GEOLOGICAL SOCIETY OF AMERICA

George D. Lauterbach, *President*, University of California.

A. F. Rogers, *Secretary*, Stanford University.

THE ECOLOGICAL SOCIETY OF AMERICA

Barrington Moore, *President*, American Museum of Natural History.

A. O. Weese, *Secretary-Treasurer*, University of Mexico.

NORTHERN INTERMOUNTAIN SECTION, AMERICAN CHEMICAL SOCIETY

Charles H. Hunt, *Secretary*, State College of Washington.

PACIFIC COAST BRANCH, PALEONTOLOGICAL SOCIETY

John C. Merriam, *President*, University of California.

Chester Stock, *Secretary-Treasurer*, University of California.

PACIFIC FISHERIES SOCIETY

C. McLean Fraser, *President*, Biological Station, Nanaimo, British Columbia.

S. H. Dado, *Secretary*, California Fish and Game Commission, San Francisco.

PACIFIC SLOPE BRANCH, AMERICAN ASSOCIATION OF ECONOMIC ENTOMOLOGISTS

E. M. Ehrhorn, *Chairman*, Honolulu, H. T. E. O. Essig, *Secretary*, Berkeley.

PUGET SOUND SECTION, AMERICAN CHEMICAL SOCIETY

A. L. Knisely, *President*, C. A. Newhall Co., Seattle, Wash.
 R. T. Elliott, *Secretary*, U. S. Bureau of Chemistry, Seattle, Wash.

SAN FRANCISCO SECTION, AMERICAN MATHEMATICAL SOCIETY

H. F. Blichfeldt, *Chairman*, Stanford University.
 B. A. Bernstein, *Secretary*, University of California.

WESTERN SOCIETY OF NATURALISTS

J. R. Slonaker, *President*, Stanford University.
 Tracy I. Storer, *Secretary-Treasurer*, Museum of Vertebrate Zoology, Berkeley.

MEETING OF PACIFIC COAST ECONOMISTS

A meeting of Pacific Coast economists will be held and a program arranged for Thursday and Friday afternoons, June 17 and 18. An effort will be made to organize a Pacific Coast Division of the American Economic Society.

SCIENTIFIC EVENTS

THE MATHEMATICAL INSTITUTE OF THE UNIVERSITY OF STRASBOURG

HELPED by the favorable exchange level, a number of students are going to study in French universities. It is important to bring to their attention that, since November, 1919, the University of Strasbourg, completely reorganized, is working in full order. Its teaching staff is more than equal in number to what it was under German rule, and its equipment, already excellent in many respects, has been greatly improved where it was deficient.

For mathematical study, students will be offered in Strasbourg the usual standard courses on analysis, mechanics, astronomy, etc., the program of which is permanent and requires the students' time for two or three years. Research courses have been arranged for candidates for the "Doctorat de l'Univers-

sité de Strasbourg," and of scholars generally. French diplomas are required for registration with a view to the doctorate, but can be dispensed with on presentation of equivalent foreign diplomas, with a statement of the student's ability by one of his former professors.

The program of research courses during the academic year 1920-21 is as follows:

First Semester (November 1, 1920-February 28, 1921)

Mathematical Physics: MR. BAUER: Quantum Theory; Atomic Structure: 3 lectures a week.
 Higher Analysis: MR. FRÉCHETS Theory of Chance: 2 weekly lectures; Integral Equations: 1 weekly lecture.

Second Semester (March 1, 1921-June 30, 1921)

Mathematical Physics: MR. BAUER: Statistical Applications of Quantum Theory: 3 weekly lectures.

Higher Analysis: MR. FRÉCHET: Applications of the Theory of Chance: 1 weekly lecture.—Functions of Lines: 2 weekly lectures.

Hydrodynamics: MR. VILLAT: Researches on the Motion of a Solid in a Viscous Fluid: 2 weekly lectures.

Differential Geometry: MR. PÉRÈS: Transformations of Surfaces Applicable on Quadrics: 2 weekly lectures.

Theory of Functions: MR. VALIRON: Dirichlet's Series and Facultative Series: 2 weekly lectures.
 For further information apply (in French or English) to M. le Directeur de l'Institut de Mathématiques de Strasbourg, Bas-Rhin, France.

Details concerning lodgings, etc., will be supplied by the Comité de Patronage des étudiants étrangers Université, Strasbourg, Bas-Rhin, France.

Students who wish to improve their knowledge of the French language during the vacation may apply for the circular on "Summer Courses," organized by the "Faculté des Lettres de Strasbourg."

THE FOREST PRODUCTS LABORATORY DECENTRAL CELEBRATION

THE Forest Products Laboratory was organized by the U. S. Forest Service in 1909 and formally opened in June, 1910. It is conducted in cooperation with the University of Wisconsin.